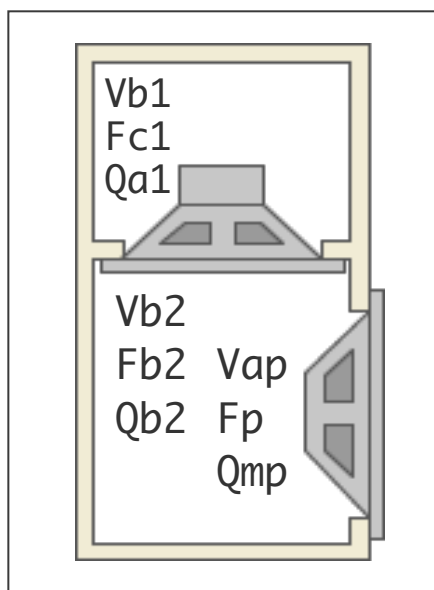
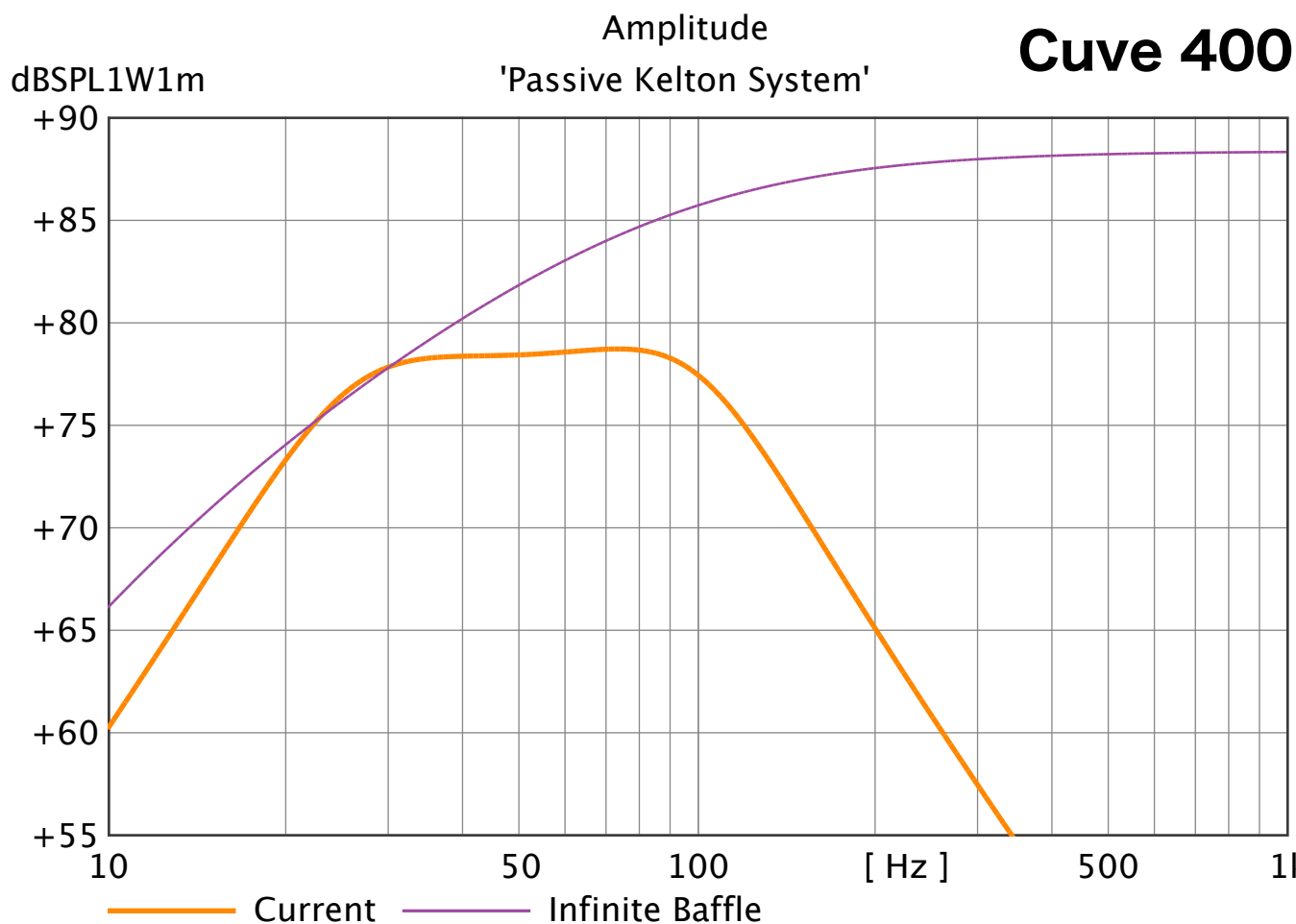
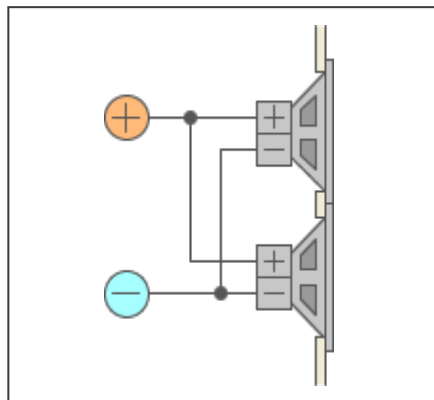




System Figure



Speaker Connection

Thiele/Small (Driver) Parameters

Model Name	DC160S-8	
Fs(Free Air Resonance)	30.3	Hz
Vas(Acoustic Volume)	45	Liter
Qts(Total Q)	0.3	
SPL(Sound Pressure Level 1W1m)	78.4	dB

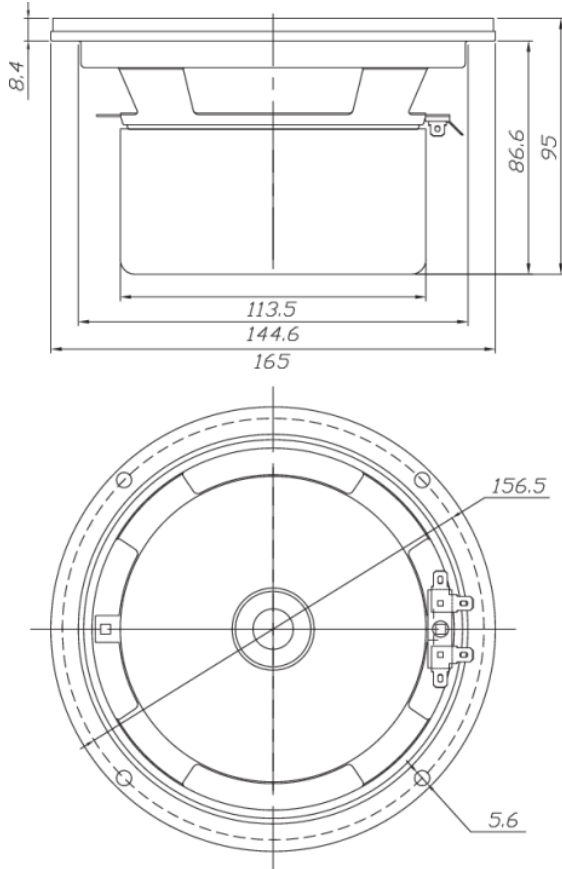
Box Parameters

Vb1(Box1 Volume)	35	Liter
Fc1(Box1 Tuning Frequency)	43.61	Hz
Qa1(Box1 Loss Factor Q)	5	

Vb2(Box2 Volume)	5.5	Liter
Fb2(Box2 Tuning Frequency)	50.96	Hz
Qb2(Box2 Loss Factor Q)	15	

Passive Radiator Params. RSS265-PR10-2d x 1

Vap(P. R. Acoustic Volume)	59.7	Liter
Fp(P. R. Free Air Resonance)	14.8	Hz
Qmp(P. R. Mechanical Q)	6.5	



FEATURES

- Great bang-for-the-buck driver can be used as a woofer, midbass, or even as a small subwoofer
- Smooth frequency response up to 2 kHz and great bass response
- Rubber surround, aluminum voice coil, and extended bump plate
- Low 32 Hz free-air resonance

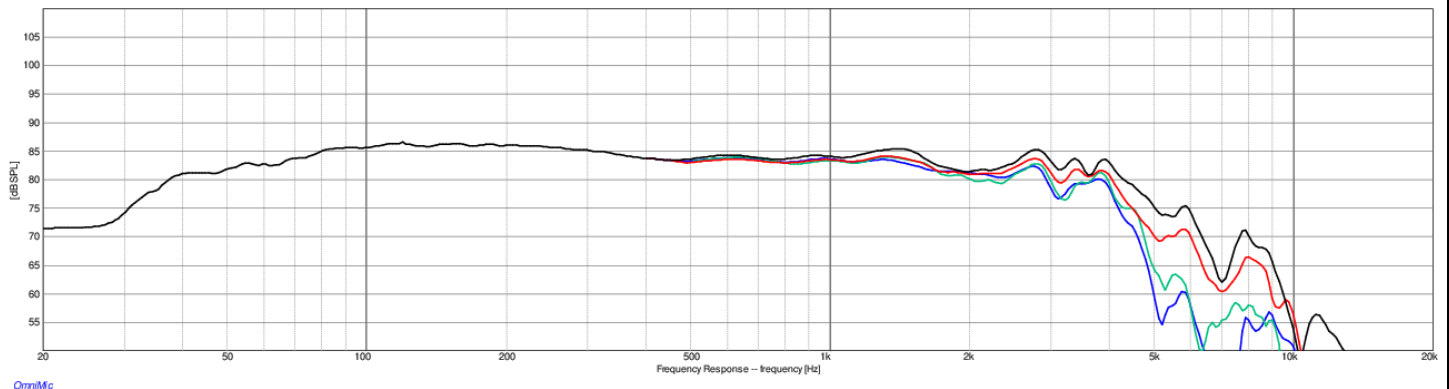
PARAMETERS

Impedance	8 ohms
Re	6.9 ohms
Le	2.29 mH @ 1 kHz
Fs	30.3 Hz
Qms	3.04
Qes	0.33
Qts	0.30
Mms	32.2g
Cms	0.86 mm/N
Sd	134.8 cm ²
Vd	42.5 cm ³
BL	11.3 Tm
Vas	22.5 liters
Xmax	3.15 mm
VC Diameter	35 mm
SPL	85.3 dB @ 2.83V/1m
RMS Power Handling	50 watts
Usable Frequency Range (Hz)	33 - 4,000 Hz

IMPEDANCE/PHASE

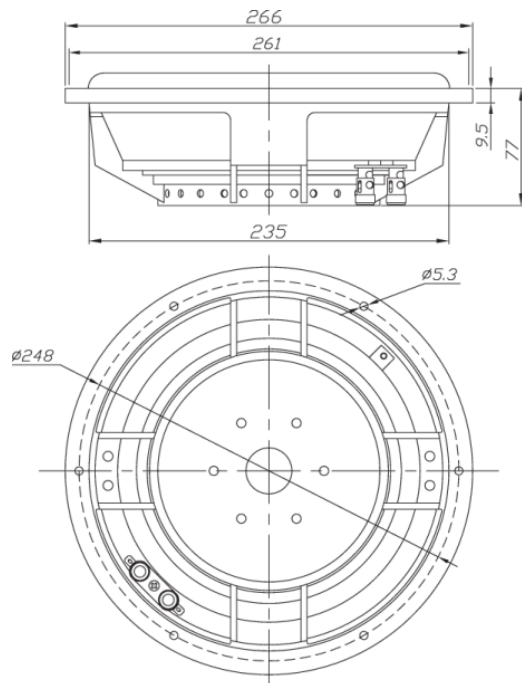


FREQUENCY RESPONSE



Note: 1/12th octave smoothing - nearfield response included in graph below 450 Hz.

Black = 0°
Red = 15°
Green = 30°
Blue = 45°



FEATURES

- SMS (Sandwich Mass System) permits greater linearity by minimizing angular torque
- Durable yet compliant suspension provides substantial linear travel and mechanical stability
- Rigid cast aluminum frame with thick black anodized aluminum cone
- Threaded rod with lock nut for easy adjustment of tuning frequency
- Includes 5-75 gram weighted disks for simple tuning adjustment

Default Parameters (driver only)

Fs	19.6 Hz
Qms	4.92
Mms	200g
Cms	0.33 mm/N
Sd	356.3 cm ²
Vd	855.1 cm ³
Vas	59.7 liters
Xmax	24 mm

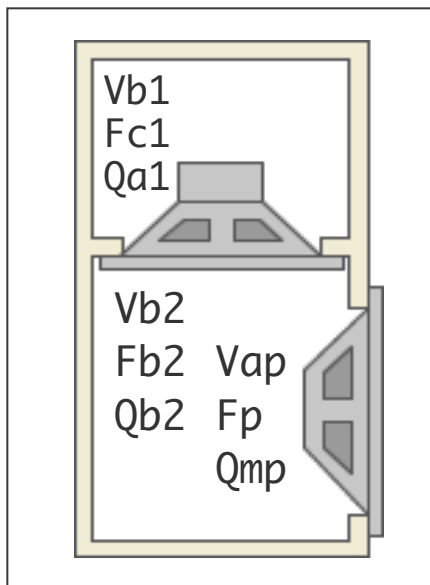
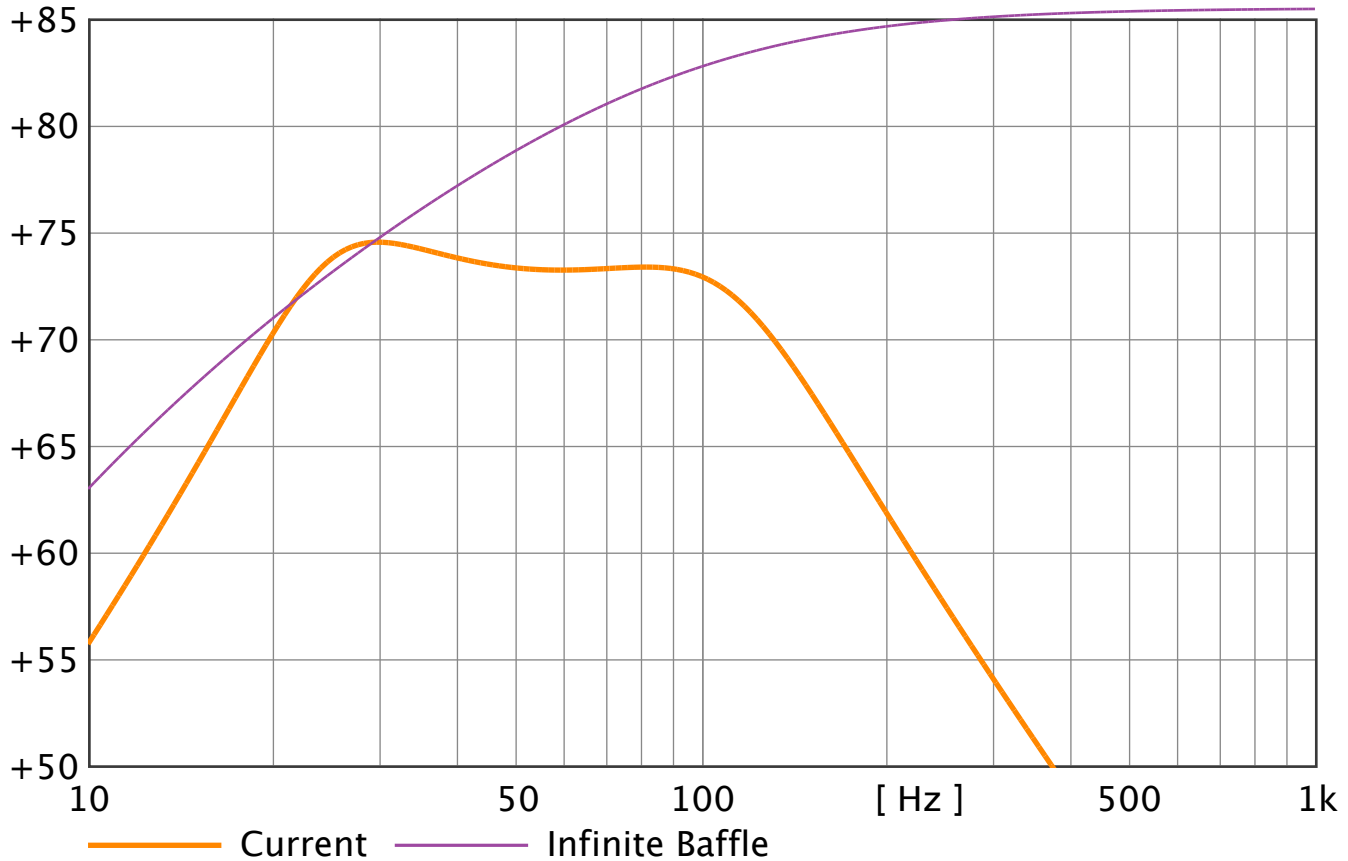
Note: Parameters above are for the passive only with no additional mass added. Parameters with additional mass added are listed in the table below.

Parameters with Added Mass

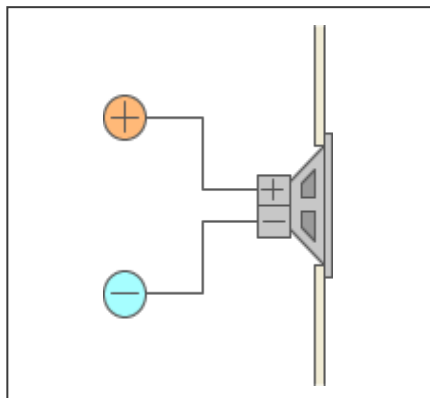
RSS265-PR	0 disk	1 disk	2 disk	3 disk	4 disk	5 disk	
Mmpr	200	275	350	425	500	575	g
Fpr	19.6	16.7	14.8	13.4	12.4	11.5	Hz
Qmpr	4.92	5.76	6.50	7.17	7.77	8.33	
Vapr	59.7	These parameters remain the same					liters
Cmpr	0.331						mm/N
Rmpr	11.02						kg/s
Xmech	24						mm
Sd	356.3						cm ²
Vd	855.1						cm ³

dB SPL 1W1m

'Passive Kelton System'



System Figure



Speaker Connection

Thiele/Small (Driver) Parameters

Model Name	DC160S-4	
Fs(Free Air Resonance)	30.9	Hz
Vas(Acoustic Volume)	23.2	Liter
Qts(Total Q)	0.3	
SPL(Sound Pressure Level 1W1m)	73.3	dB
Box Parameters		

Vb1(Box1 Volume)	15	Liter
Fc1(Box1 Tuning Frequency)	49.31	Hz
Qa1(Box1 Loss Factor Q)	10	

Vb2(Box2 Volume)	2.5	Liter
Fb2(Box2 Tuning Frequency)	49	Hz
Qb2(Box2 Loss Factor Q)	7	

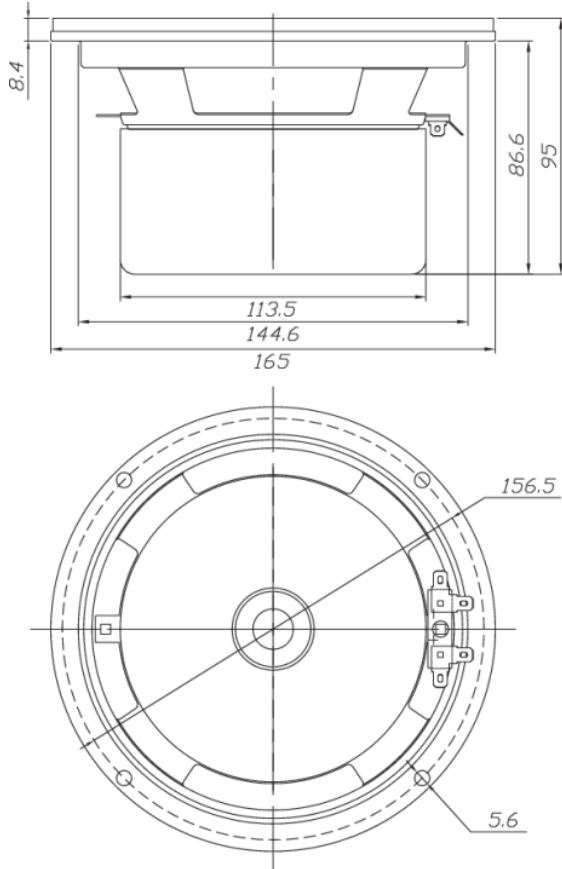
Passive Radiator Params. DSA215-PR+150g x 1

Vap(P. R. Acoustic Volume)	27.1	Liter
Fp(P. R. Free Air Resonance)	14.24	Hz
Qmp(P. R. Mechanical Q)	13.78	



DC160S-4 6-1/2" Classic Shielded Woofer 4 Ohm

DC160S-4



FEATURES

- Treated paper cone provides smooth response and low energy storage
- Aluminum former, vented pole piece, and porous dustcap for high power handling
- Large diameter flat spider and good Xmax for clean bass

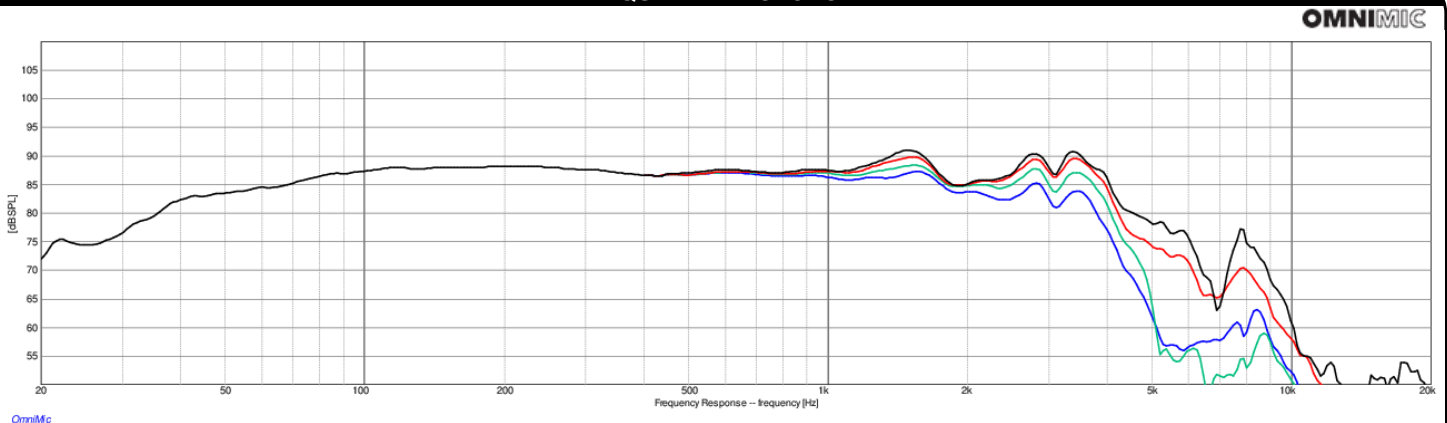
PARAMETERS

Impedance	4 ohms
Re	3.5 ohms
Le	0.89 mH @ 1 kHz
Fs	30.9 Hz
Qms	2.61
Qes	0.34
Qts	0.30
Mms	30g
Cms	0.88 mm/N
Sd	136.8 cm ²
Vd	46.5 cm ³
BL	7.68 Tm
Vas	23.2 liters
Xmax	3.4 mm
VC Diameter	35 mm
SPL	88.5 dB @ 2.83V/1m
RMS Power Handling	50 watts
Usable Frequency Range (Hz)	33 - 4,000 Hz

IMPEDANCE/PHASE



FREQUENCY RESPONSE

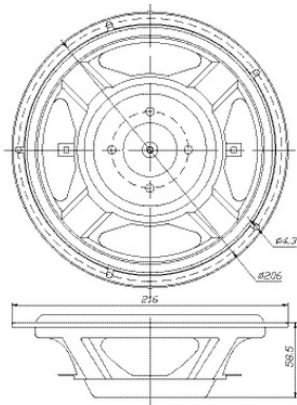


Note: 1/12th octave smoothing - nearfield response included in graph below 450 Hz.

Black = 0°
Red = 15°
Green = 30°
Blue = 45°



DSA215-PR 8" Designer Series Aluminum Cone Passive Radiator



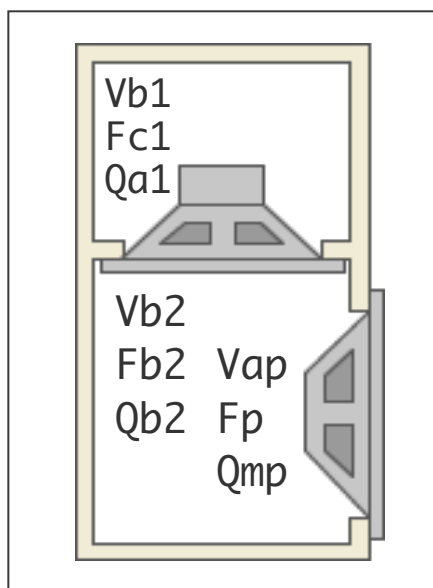
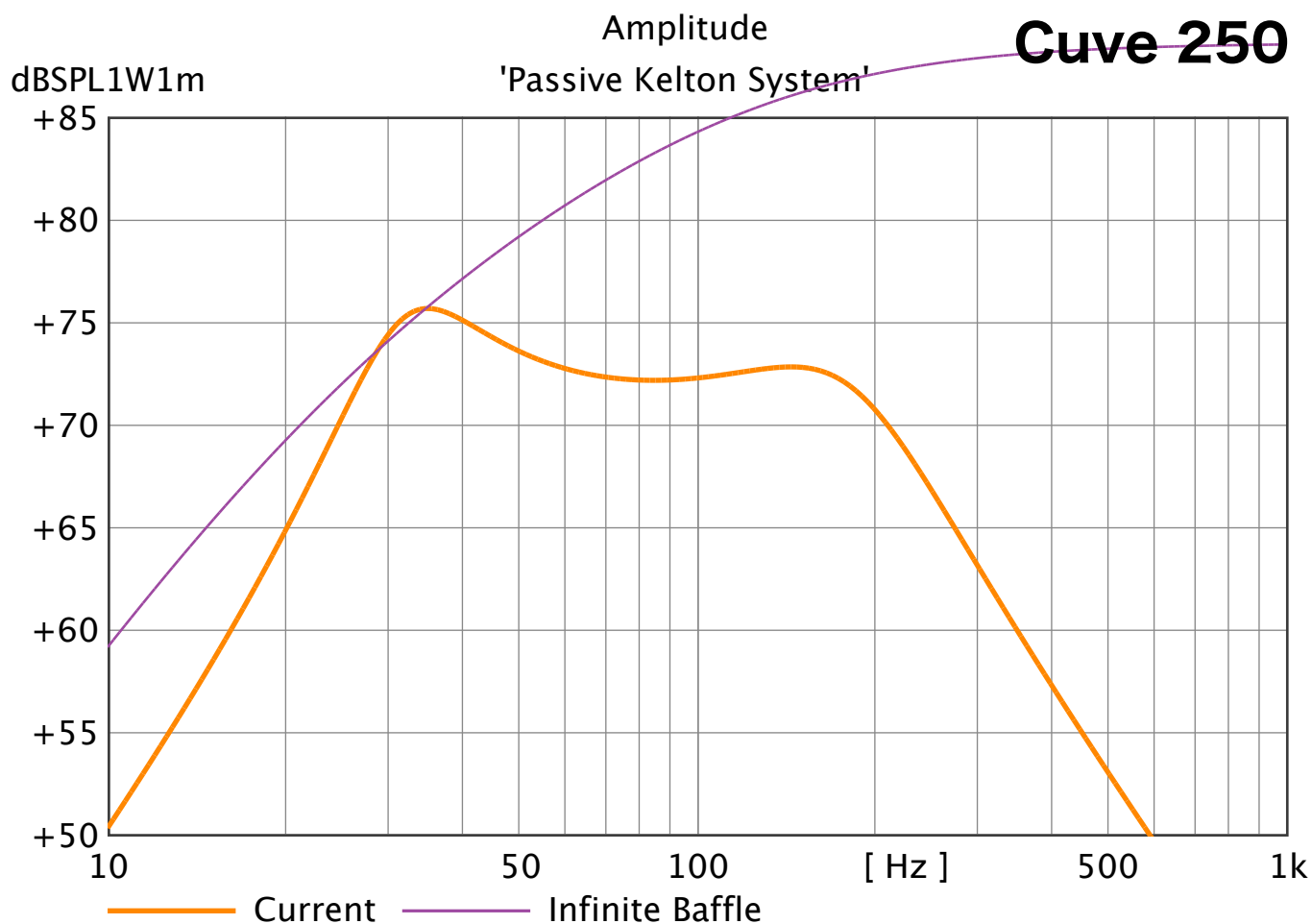
FEATURES

- Perfect match for Dayton Audio's aluminum cone Designer Series drivers
- Allows tuning small enclosures lower than using conventional ports
- Rear mounted screw allows easy mass adjustment for custom tuning
- Cosmetic frame edge looks great even when surface mounted

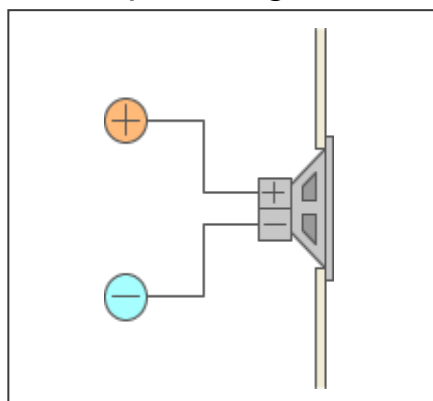
PARAMETERS

Fs	25.6 Hz
Qms	7.66
Mms	67g
Cms	0.58 mm/N
Sd	211.2 cm ²
Vd	232.4 cm ³
Vas	36.7 liters
Xmax	11 mm
Rms	1.4 kg/s

Note: Parameters above are for the passive only with no additional mass added.



System Figure



Speaker Connection

Thiele/Small (Driver) Parameters

Model Name	DC130BS-4	
Fs(Free Air Resonance)	51.8	Hz
Vas(Acoustic Volume)	13.2	Liter
Qts(Total Q)	0.35	
SPL(Sound Pressure Level 1W1m)	72.5	dB

Box Parameters

Vb1(Box1 Volume)	7.8	Liter
Fc1(Box1 Tuning Frequency)	84.99	Hz
Qa1(Box1 Loss Factor Q)	10	

Vb2(Box2 Volume)	1.5	Liter
Fb2(Box2 Tuning Frequency)	63.14	Hz
Qb2(Box2 Loss Factor Q)	7	

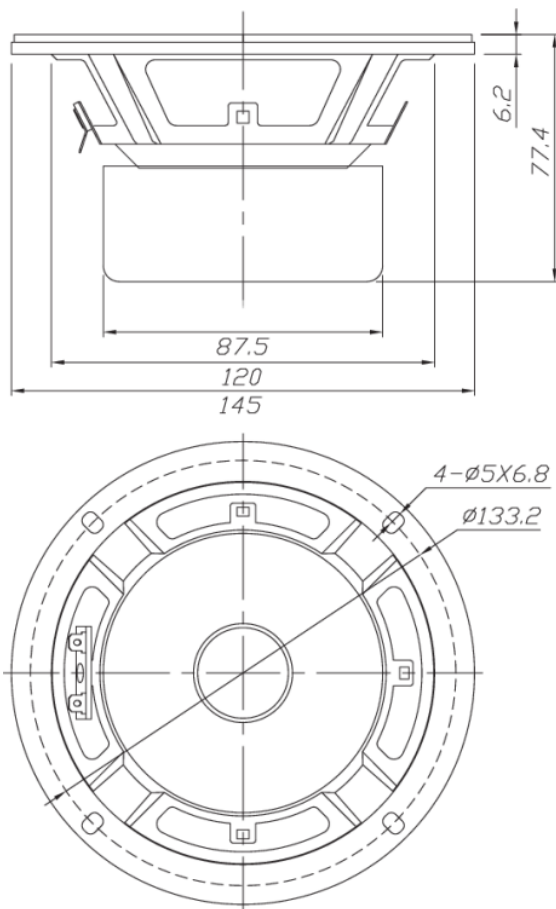
Passive Radiator Params. DSA175-PR+75g x 1

Vap(P. R. Acoustic Volume)	27.1	Liter
Fp(P. R. Free Air Resonance)	14.46	Hz
Qmp(P. R. Mechanical Q)	7.68	



DC130BS-4 5-1/4" Classic Shielded Woofer 4 Ohm

DC130BS-4



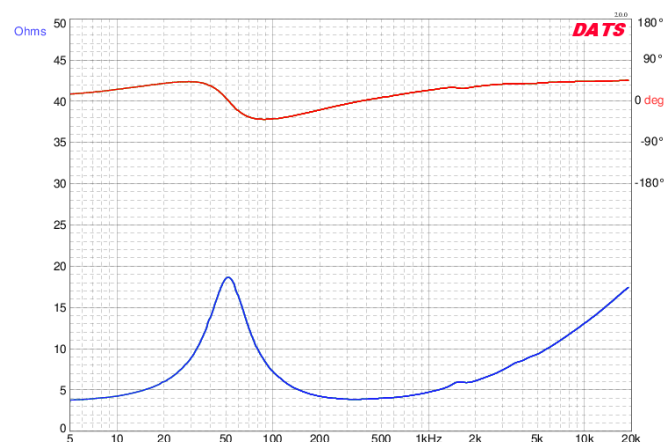
PARAMETERS

Impedance	4 ohms
Re	3.55 ohms
Le	0.5 mH @ 1 kHz
Fs	51.8 Hz
Qms	1.86
Qes	0.44
Qts	0.35
Mms	8.8g
Cms	1.08 mm/N
Sd	93.3 cm ²
Vd	14.0 cm ³
BL	4.8 Tm
Vas	13.2 liters
Xmax	2.5 mm
VC Diameter	25 mm
SPL	91.6 dB @ 2.83V/1m
RMS Power Handling	30 watts
Usable Frequency Range (Hz)	55 - 4,000 Hz

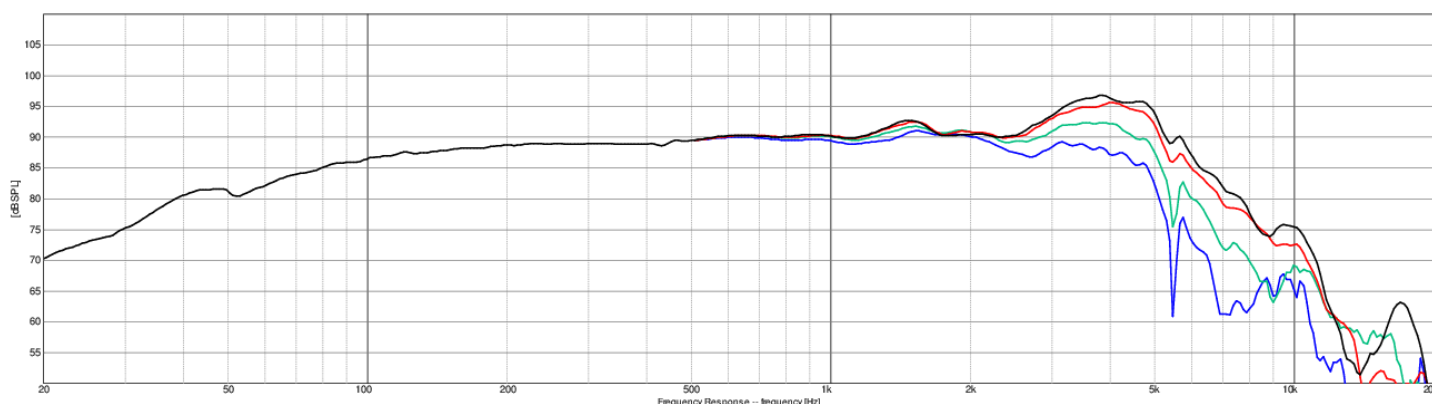
FEATURES

- Treated paper cone provides smooth response and low energy storage
- Aluminum former and porous dustcap for high power handling
- Large diameter flat spider and good Xmax for clean bass

IMPEDANCE/PHASE



FREQUENCY RESPONSE

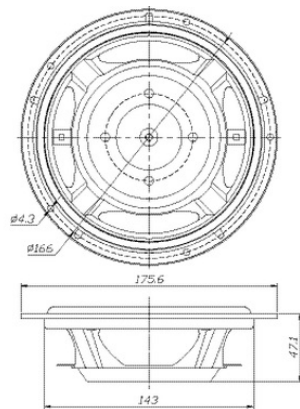


Note: 1/12th octave smoothing - nearfield response included in graph below 450 Hz.

Black = 0°
Red = 15°
Green = 30°
Blue = 45°



DSA175-PR 6-1/2" Designer Series Aluminum Cone Passive Radiator



FEATURES

- Perfect match for Dayton Audio's aluminum cone Designer Series drivers
- Rear mounted screw allows easy mass adjustment for custom tuning
- Cosmetic frame edge looks great even when surface mounted
- Allows tuning small enclosures lower than using conventional ports

PARAMETERS

Fs	26.8 Hz
Qms	4.3
Mms	30.7g
Cms	1.15 mm/M
Sd	128.7 cm ²
Vd	102.9 cm ³
Vas	27.1 liters
Xmax	8 mm
Rms	1.2 kg/s

Note: Parameters above are for the passive only with no additional mass added.